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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/043,326	01/14/2002	Laurent Roulet	Q68075	6676

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EXAMINER
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QURESHI, AFSAR M

ART UNIT	PAPER NUMBER
2616	

DATE MAILED: 10/18/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

10/043,326

Applicant(s)

ROULLET ET AL.

Examiner

Afsar M. Qureshi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 August 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- ☒ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.

- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

*A. Qureshi*  
10/12/06

***Response to Amendment***

1. This office action is responsive to Amendment/Remarks received on 8/28/2006.

***Response to Arguments***

2. Applicant's arguments filed on 8/28/2006 have been fully considered but they are not persuasive.

Applicant referred to the argument submitted in a previous (2/15/2006) "Amendments/Remarks", i.e., " a mixer (M) adapted to detect the empty information cells and replace them with waiting cells". This argument has been clearly responded to in the Office Action, dated 4/27/2006, on page 3, paragraph 2, as set out below (see col.5, lines 29-49 of Lee '720). The Examiner contends that, in its broadest interpretation of the above limitation, the process-after-standby type cell processor 23 that checks [detects] the empty state and replaces them with the input cells [waiting cells] is functionally the same as claimed herein.

Argument in reference to claims 2 and 5, " a deleter (D) for deleting an information cell stored in said mass memory when it has been sent by said transmitter to said receiver" is discussed in the Office Action, page 4, second paragraph.

The Examiner contends that the cited art. Lee '720 reads on limitations argued in Remarks, dtd. 8/28/2006, and maintains the rejection of claims 1-6 as below.

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3. **The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.**

4. Claims 1-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee (US Pat. No. 5,574,720.)

Regarding claims 1 and 4. Lee teaches a relay and a method for use in telecommunications equipment (Fig. 3, the suppression apparatus would be a relay system for use in telecommunications equipment since suppression apparatus is used to control traffic output. The traffic could be several networks in the traffic flow. Any one of the networks could be a relay of traffic. Thus, the suppression apparatus could be interpreted as a relay telecommunications equipment as claimed. See Fig. 3, Lee.), said comprising:

a receiver (R) adapted to receive an information stream consisting of information cells, some of which can be empty, (Input Cell Classification Processor 21 receives an information stream consisting of information cell. The real time cell would go to cell processor 22. The stand-by cell would go to process after standby type cell processor 23. See Fig. 3, Lee In addition, Input Cell Classification Processor 21 receives the cell information include cell loss priority information, which could include the empty and nonempty cells in general. See col. 2, lines 1-8, Lee.)

a mixer (M) adapted to detect the empty information cells and replace them with waiting cells, and (the process-after-standby type cell processor 23 checks whether a cell buffer of the cell temporary storage device is in an empty

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state. If it is an empty cell, which would be empty information cells as claimed, the processor 23 passes the input cell, which is standby cell. See col. 5, lines 37-43, Lee.)

a transmitter (E) adapted to transmit the information cells (a cell output processor 19 transferring output cells to the network node interface means 4. See Fig. 2-3.), which relay is characterized in that it further comprises a stream analyzer (A) for determining if an information stream received by said receiver is a real-time information stream or a differed-time information stream and for storing differed-time information stream cells in a mass memory (MM) and in that said mixer is adapted to choose said waiting cells from among the cells stored in said mass memory (The classifier 12, could be interpreted as a stream analyzer, determined if received stream is a real-time information or a standby (differed-time) information. The distributor 16, could be interpreted as a mass memory, and stored the incoming standby cell from input cell classification processor 21. The process-after-standby type cell processor 23 would take the output from distributor as the waiting cell for the empty cell. See Fig. 3 and col 4, lines 50-61, Lee.)

Lee does not specifically teach a transmitter transmit the information cells to a receiver outside telecommunication satellite.

However, the information cells are often used to communicate between the two communication systems. As far as a receiver outside telecommunication satellite, such as roaming system, are also well known in the art. Thus, it would have been obvious to one who has ordinary skill in the art at the time the

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invention was made to transmit the information cells to a receiver outside telecommunication satellite because the communication would required transmitter and receiver to establish a communication and the receiver could be outside of network, such as roaming system in order to successful communicate with other device.

Regarding claims 2 and 5, Lee teach the method and apparatus of claims 1 and 4; however, Lee does not specifically teach a deleter (D) for deleting an information cell stored in said mass memory when it has been sent by said transmitter to said receiver. However, Lee teaches the process-after —standby type cell processor 23 outputs a cell. previously stored in the cell buffer and stores the input cell in the cell buffer. The cell buffer is a temporary storage device 17. (See Fig. 3 and col 5, lines 39-49) The temporary storage device would be obviously having an deleting function to delete the cell information when the cell has been sent. Thus, it would have been obvious to one who has ordinary skill in the art , at the time the invention was made to delete an information cell after it has been set because Lee teaches temporary storage device 17 (Fig. 3.)

Regarding claims 3 and 6, Lee teaches the mixer is adapted to choose said waiting cells as a function of time scheduling rules (Lee teaches the input cell of processor 23 is under first-in-first-out process, and Lee also teaches choosing the input cell of processor 23 to the empty cell. By first-in-first-out

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process, Lee teaches choosing waiting cells as a function of time scheduling rules. See col 4, lines 4-7, and col 5, lines 37-43, and Fig. 3, Lee.).

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Afsar M. Qureshi whose telephone number is (571) 272 3178. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar can be reached on (571) 272 7488. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published

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applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>.

Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



**AFSAR QURESHI**  
**PRIMARY EXAMINER**

10/12/2006